

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A method of wireless communication employing a terminal, the terminal configured to tune either to a High Data Rate (HDR) carrier in an HDR network or to a 1x Radio Transmission Technology (1xRTT) carrier in a 1xRTT network, the method comprising:

tuning the terminal to ~~a~~the HDR carrier;
establishing a packet data communication over the HDR carrier using the terminal; and
periodically tuning the terminal to ~~a~~the 1xRTT carrier for a limited time in order to check
for incoming 1xRTT communications.

2. (Previously Presented) The method of claim 1, further comprising:

establishing a 1xRTT communication over the 1xRTT carrier when an incoming 1xRTT
communication is detected; and
tuning the terminal back to the HDR carrier when the 1xRTT communication is
terminated.

3. (Previously Presented) The method of claim 2, wherein establishing a 1xRTT communication over the 1xRTT carrier comprises:

sending a 1xRTT packet hand-over request from the terminal to transfer the packet data
communication from the HDR carrier to the 1xRTT carrier;
handing the packet data communication over to the 1xRTT carrier from the HDR carrier;
and
establishing the 1xRTT communication over the 1xRTT carrier, while also maintaining
the packet data communication over the 1xRTT carrier.

4. (Currently Amended) The method of claim 3, further comprising:

tuning the terminal back to the HDR carrier when the 1xRTT communication is terminated;
sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the 1xRTT carrier to the HDR carrier; and
handing the packet data communication over to the HDR carrier from the 1xRTT carrier.

5. (Original) The method of claim 4, wherein the terminal is configured to optionally establish the 1xRTT communication.

6. (Previously Presented) The method of claim 5, wherein the 1xRTT communication includes at least one of the following:

- a voice communication;
- a SMS communication; and
- a broadcast information communication.

7. (Currently Amended) A method of wireless communication employing a terminal, the terminal configured to tune either to a High Data Rate (HDR) carrier in an HDR network or to a 1x Radio Transmission Technology (1xRTT) carrier in a 1xRTT network, the method comprising:

- tuning the terminal to the ~~a~~-HDR carrier;
- establishing a packet data communication over the HDR carrier using the terminal;
- while the packet data communication is in progress, tuning the terminal to the ~~a~~-1xRTT carrier; and
- establishing 1xRTT communication on the 1xRTT carrier.

8. (Previously Presented) The method of claim 7, further comprising:

tuning the terminal back to the HDR carrier when the 1xRTT communication is terminated in order to complete the packet data communication.

9. (Currently Amended) The method of claim 7, wherein ~~step (d)~~ further comprises:

sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the HDR carrier to the 1xRTT carrier;
handing the packet data communication over to the 1xRTT carrier from the HDR carrier;
and
establishing the 1xRTT communication over the 1xRTT carrier, while also maintaining the packet data communication over the 1xRTT carrier.

10. (Currently Amended) The method of claim 9, further comprising:

tuning the terminal back to the HDR carrier when the voice communication is terminated;
sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the 1xRTT carrier to the HDR carrier; and
handing the packet data communication over to the HDR carrier from the 1xRTT carrier.

11. (Previously Presented) The method of claim 10, wherein the 1xRTT communication is at least one of the following:

a voice communication;
a SMS communication; and
a broadcast information communication.

12. (Currently Amended) A method of wireless communication employing a terminal, the terminal configured to tune either to a High Data Rate (HDR) carrier in an HDR network or to a

1x Radio Transmission Technology (1xRTT) carrier in a 1xRTT network, the method comprising:

- periodically scanning for the ~~a~~-HDR carrier;
- tuning a receiver to the ~~a~~-1xRTT carrier;
- establishing a packet data communication on the 1xRTT carrier after tuning the receiver to the 1xRTT carrier;
- periodically scanning for the ~~a~~-HDR carrier once the terminal is tuned to the 1xRTT carrier;
- if an a HDR carrier is available, tuning the terminal to the HDR carrier; and
- establishing the packet data communication on the HDR carrier.

13. (Previously Presented) The method of claim 12, wherein the packet data communication on the 1xRTT carrier is terminated prior to tuning the terminal to the HDR carrier.

14. (Previously Presented) The method of claim 12, wherein establishing the packet data communication on the HDR carrier comprises:

- sending a 1xRTT packet hand-over request from the terminal to transfer the packet data communication from the 1xRTT carrier to the HDR carrier; and
- handing the packet data communication over to the ~~second~~-HDR carrier from the 1xRTT carrier.

15. (Currently Amended) A terminal for wireless communication, comprising:

- a transceiver configured to selectively tune to a High Data Rate (HDR) carrier in an HDR network or to a 1x Radio Transmission Technology (1xRTT) carrier in a 1xRTT network; and

a processor configured to tune the transceiver to the HDR carrier for establishing packet data communications and to tune the transceiver to the 1xRTT carrier for establishing 1xRTT communications or packet data communications.

16. (Original) The terminal of claim 15, wherein the processor is further configured to periodically tune the transceiver to the 1xRTT carrier to check for incoming 1xRTT communications while a packet data communication is occurring over the HDR carrier, and wherein the processor is further configured to tune the terminal to the 1xRTT carrier and establish a 1xRTT communication over the 1xRTT carrier when an incoming 1xRTT communication is detected.

17. (Original) The terminal of claim 15, wherein the processor is further configured to tune to a 1xRTT when HDR carriers are unavailable and to periodically scan for HDR carriers until one is available, and wherein the processor is configured to tune to a HDR carrier when one is available.

18. (Currently Amended) The terminal of claim 15, wherein the processor is further configured to tune to the a-1xRTT carrier, while a packet data communication is taking place over the a-HDR carrier, and establish a 1xRTT communication over the 1xRTT carrier.

19. (Currently Amended) The terminal of claim 15, wherein the processor is further configured to initiate a 1xRTT packet hand-over request in order to transfer packet data communications from the a-HDR carrier to the a-1xRTT carrier, or to transfer packet data communications from the a-1xRTT carrier to the a-HDR carrier.

20. (Previously Presented) The terminal of claim 15, wherein the 1xRTT communication is at least one of the following:

- a voice communication;
- a SMS communication; and
- a broadcast information communication.

21. (Currently Amended) A wireless communications network, comprising:

- a 1x Radio Transmission Technology (1xRTT) carrier in a 1xRTT network, said 1xRTT carrier configured to carry 1xRTT communications and packet data communications;
- a High Data Rate (HDR) carrier in an HDR, said HDR carrier configured to carry packet data communications; and
- a plurality of terminals configured to tune to the HDR carrier for establishing packet data communications and to tune to the 1xRTT carrier for establishing the a-1xRTT communications or packet data communications.

22. (Currently Amended) The network of claim 21, wherein each terminal is further configured to initiate a 1xRTT packet hand-over request in order to transfer packet data communications from the a-HDR carrier to the a-1xRTT carrier, or to transfer packet data communications from the a-1xRTT carrier to the a-HDR carrier.

23. (Previously Presented) The network of claim 22, wherein each hand-over request will contain information about a target base station controller associated with the 1xRTT or HDR carrier that is the target of the hand-over.

24. (Currently Amended) A method of wireless communication employing a terminal, the terminal configured to tune either to a best-effort carrier in a packet-switched network or to an all-service carrier in an all-service network, the method comprising:

tuning the terminal to the ~~a~~-best-effort carrier;
establishing a packet data communication over the best-effort carrier using the terminal;
and
periodically tuning the terminal to ~~an~~-the all-service carrier for a limited time in order to check for incoming all-service communications.

25. (Previously Presented) The method of claim 24, further comprising:

establishing an all-service communication over the all-service carrier when an incoming all-service communication is detected; and
tuning the terminal back to the best-effort carrier when the all-service communication is terminated.

26. (Previously Presented) The method of claim 25, wherein establishing an all-service communication over the all-service carrier comprises:

sending a packet hand-over request from the terminal to transfer the packet data communication from the best-effort carrier to the all-service carrier;
handing the packet data communication over to the all-service carrier from the best-effort carrier; and
establishing the all-service communication over the all-service carrier, while also maintaining the packet data communication over the all-service carrier.

27. (Previously Presented) The method of claim 26, further comprising:

tuning the terminal back to the best-effort carrier when the all-service communication is terminated;

sending a packet hand-over request from the terminal to transfer the packet data communication from the all-service carrier to the best-effort carrier;

handing the packet data communication over to the best-effort carrier from the all-service carrier.

28. (Previously Presented) The method of claim 27, wherein the terminal is configured to optionally establish the all-service communication.

29. (Currently Amended) The method of claim 24, wherein ~~an~~ the all-service communications include[[s]] at least one of the following:

a voice communication;

a SMA communication; and

a broadcast information communication.

30. (Previously Presented) The method of claim 24, wherein the all-service carrier comprises a 1x Radio Transmission Technology (1xRTT) carrier.

31. (Previously Presented) The method of claim 24, wherein the best-effort carrier comprises a High Data Rate (HDR) carrier.

32. (Currently Amended) A method of wireless communication employing a terminal, the terminal configured to tune either to a best-effort carrier in a packet-switched network or to an all-service carrier in an all-service network, the method comprising:

tuning the terminal to ~~a~~the best-effort carrier;
establishing a packet data communication over the best-effort carrier using the terminal;
while the packet data communication is in progress, tuning the terminal to ~~an~~the all-service carrier; and
establishing all-service communication on the all-service carrier.

33. (Previously Presented) The method of claim 32, further comprising:

tuning the terminal back to the best-effort carrier when the all-service communication is terminated in order to complete the packet data communication.

34. (Previously Presented) The method of claim 32, wherein establishing all-service communication on the all-service carrier comprises:

sending a packet hand-over request from the terminal to transfer the packet data communication from the best-effort carrier to the all-service carrier;
handing the packet data communication over to the all-service carrier from the best-effort carrier; and
establishing the all-service communication over the all-service carrier, while also maintaining the packet data communication over the all-service carrier.

35. (Previously Presented) The method of claim 34, further comprising:

tuning the terminal back to the best-effort carrier when the all-service communication is terminated;

sending a packet hand-over request from the terminal to transfer the packet data communication from the all-service carrier to the best-effort carrier;
handing the packet data communication over to the best-effort carrier from the all-service carrier.

36. (Previously Presented) The method of claim 32, wherein the all-service communication is at least one of the following:

- a voice communication;
- a SMS communication; and
- a broadcast information communication.

37. (Previously Presented) The method of claim 32, wherein the all-service carrier comprises a 1x Radio Transmission Technology (1xRTT) carrier.

38. (Previously Presented) The method of claim 32, wherein the best-effort carrier comprises a High Data Rate (HDR) carrier.

39. (Currently Amended) A method of wireless communication employing a terminal, the terminal configured to tune either to a best-effort carrier in a packet-switched network or to an all-service carrier in an all-service network, the method comprising:

- periodically scanning for ~~a~~ the best-effort carrier;
- tuning a receiver to ~~an~~ the all-service carrier;
- establishing a packet data communication on the all-service carrier after tuning the receiver to ~~an~~ the all-service carrier;

periodically scanning for a best-effort carrier once the terminal is tuned to the all-service carrier;

if ~~a~~the best-effort carrier is available, tuning the terminal to the best-effort carrier; and establishing the packet data communication on the best-effort carrier.

40. (Previously Presented) The method of claim 39, wherein the packet data communication on the all-service carrier is terminated prior to tuning the terminal to the best-effort carrier.

41. (Currently Amended) The method of claim 39, wherein establishing the packet data communication on the best-effort carrier comprises:

sending a packet hand-over request from the terminal to transfer the packet data communication from the all-service carrier to the best-effort carrier; and

handing the packet data communication over to the ~~second~~ best-effort carrier from the all-service carrier.

42. (Currently Amended) The method of claim 39, wherein the all-service carrier comprises a 1x Radio Transmission Technology (1xRTT) carrier, and wherein the best-effort carrier comprises ~~an HDR~~ a High Data Rate (HDR) carrier.

43. (Currently Amended) A terminal for wireless communication, comprising:

a transceiver configured to selectively tune to a best-effort carrier in a packet-switched network or to an all-service carrier in an all-service network; and

a processor configured to periodically tune the transceiver to the all-service carrier to check for an incoming all-service communication while a packet data communication is occurring over the best-effort carrier and to tune the terminal to

the all-service carrier and establish an all-service communication over the all-service carrier when an incoming all-service communication is detected.

44. (Previously Presented) The terminal of claim 43, wherein the processor is further configured to tune to an all-service carrier when best-effort carriers are unavailable and to periodically scan for best-effort carriers until one is available, and wherein the processor is configured to tune to a best-effort carrier when one is available.

45. (Currently Amended) The terminal of claim 43, wherein the processor is further configured to tune to ~~an~~the all-service carrier, while a packet data communication is taking place over ~~a~~the best-effort carrier, and establish an all-service communication over the all-service carrier.

46. (Currently Amended) The terminal of claim 43, wherein the processor is further configured to initiate a packet hand-over request in order to transfer packet data communications from ~~a~~the best-effort carrier to ~~an~~the all-service carrier, or to transfer packet data communications from ~~an~~the all-service carrier to ~~a~~the best-effort carrier.

47. (Previously Presented) The terminal of claim 43, wherein the all-service communication is at least one of the following:

- a voice communication;
- a SMS communication; and
- a broadcast information communication.

48. (Previously Presented) The terminal of claim 43, wherein the all-service carrier comprises a 1x Radio Transmission Technology (1xRTT) carrier.

49. (Previously Presented) The method of claim 43, wherein the best-effort carrier comprises a High Data Rate (HDR) carrier.

50. (Previously Presented) The terminal of claim 43, wherein the all-service carrier supports real-time and non-real-time services, and wherein the best-effort carrier supports only non-real-time services.

51. (Previously Presented) The terminal of claim 50, wherein the all-service carrier is optimized for circuit switched services, and wherein the best-effort carrier optimized for best effort packet data services.

52. (Previously Presented) The terminal of claim 51, wherein the control and data channels in the best effort carrier are time multiplexed.

53. (Currently Amended) A wireless communication network comprising:

an all-service carrier configured to carry all-service communications and packet data communications in an all-service network;

a best-effort carrier configured to carry packet data communications in a packet-switched network; and

a plurality of terminals configured to periodically tune to the all-service carrier to check for an incoming all-service communication while a packet data communication is occurring over the best-effort carrier and to tune to the all-service carrier and establish an all-service communication over the all-service carrier when ~~an~~ the incoming all-service communication is detected.

54. (Currently Amended) The network of claim 53, wherein each terminal is further configured to initiate a packet hand-over request in order to transfer packet data communications from ~~a~~the best-effort carrier to ~~an~~the all-service carrier, or to transfer packet data communications from ~~an~~the all-service carrier to ~~a~~the best effort carrier.

55. (Previously Presented) The network of claim 54, wherein each hand-over request will contain information about a target base station controller associated with the all-service or best-effort carrier that is the target of the hand-over.

56. (Previously Presented) The network of claim 53, wherein the all-service carrier supports real-time and non-real-time services, and wherein the best-effort carrier supports only non-real-time services.

57. (Previously Presented) The network of claim 56, wherein the all-service carrier is optimized for circuit switched services, and wherein the best-effort carrier is optimized for best effort packet data services.

58. (Previously Presented) The network of claim 57, wherein the control and data channels in the best-effort carrier are time multiplexed.

59. (Previously Presented) The network of claim 53, wherein the all-service carrier is a 1x Radio Transmission Technology (1xRTT) carrier.

60. (Previously Presented) The network of claim 53, wherein the best-effort carrier is a High Data Rate (HDR) carrier.